

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Patent Application Transmittal**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**IBM DOCKET NO. END920030016**

IBM Corporation  
1701 North Street  
Endicott, NY 13760

Sir:

Date: 6/26/03

Transmitted herewith for filing is the **Patent Application of:**

Inventors: **Sanjay Gupta**

For: **METHOD AND APPARATUS FOR REDUCING INDEX SIZES AND INCREASING PERFORMANCE OF NON-RELATIONAL DATABASES**

Enclosed are:

- ☒ 23 pages of specification
- ☒ 6 sheets of drawings.
- ☒ An assignment of the invention to International Business Machines Corporation, Armonk, New York 10504.
- ☒ Declaration and Power of Attorney
- ☒ Information Disclosure Statement with copies of cited references.

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
For:	No. Filed	No. Extra
Basic Fee		
Total Claims	20-20 =	1
Indep. Claims	4 - 3 =	1
Multiple Dependent Claim Presented		

Other Than Small Entity	
Rate	Fee
	\$ 750.00
x \$18.00	\$ 0.00
x \$84.00	\$ 84.00
\$280.00	\$ 0.00
<b>TOTAL</b>	<b>\$ 834.00</b>

- ☒ ☒ Please charge Deposit Account No. 09-0457 the amount of \$ 834.00. A duplicate of this form is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 09-0457. A duplicate copy of this sheet is enclosed.
- ☒ Any additional filing as required under 37 C.F.R. §1.16.
- ☒ Any patent application processing fees under 37 C.F.R. §1.17.

Respectfully submitted,  
Sanjay Gupta

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C., 20231 as AExpress Mail Post Office to Addressee@  
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Denise M. Jurik

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Denise M Jurik 06/26/03  
Signature Date

**FOR: METHOD AND APPARATUS FOR REDUCING INDEX SIZES AND INCREASING PERFORMANCE OF NON-RELATIONAL DATABASES**

BY: William E. Schiesser - 26 JUNE 2003  
Attorney/Agent: William E. Schiesser  
Registration No.: 53,559  
Tel.: 607- 429-3917

Certification Under 37 C.F.R. 1.10

EXPRESS MAIL

Enclosed for filing is an application entitled METHOD AND APPARATUS FOR REDUCING INDEX SIZES AND INCREASING PERFORMANCE OF NON-RELATIONAL DATABASES for Sanjay Gupta (IBM Docket No. END920030016), along with 17 pages of specification, 5 pages of claims and 1 page of abstract; one set (6 sheets to the set) of formal drawings Figures 1, 2, 3A, 3B, 4A and 4B; Declaration and Power of attorney; Information Disclosure Statement; Form PTO-1449 with copies of 7 cited references; copy of Assignment from Inventor to International Business Machines Corporation with patent recordation cover sheet; Self-addressed, stamped return postcard and Certificate of Express Mail.

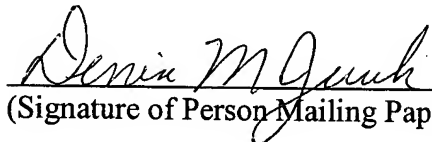
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Date of Deposit 6/26/03

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Denise M. Jurik

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